Risk Management

For Energy, Mining & Chemicals

AN EFFECTIVE RISK MANAGEMENT PROGRAM ENSURES VISIBILITY OF MATERIALLY IMPACTFUL RISKS, AND PROVIDES CRITICAL INFORMATION ALLOWING YOU TO IMPROVE THE SAFETY OF YOUR PROCESSES AND MAKE BETTER BUSINESS DECISIONS.

BENEFITS

- Improve efficiencies in creating HAZOPs, JSAs, and other risk assessments

- Enable critical expert knowledge retention & sharing

- Provide visibility to risk profiles from the enterprise level down to specific categories and groupings

- Increase effectiveness in processing of actions

- Allow consistent and systematic measurement of all operational risks

- Simplify resource planning & prioritization

Today more than ever companies are under immense pressure to mitigate risks throughout their processes in order to meet the strict demands of regulators and ensure the safety of their personnel and assets. Cost pressures and a dwindling talent pool of experience present significant challenges to improving Safety, Health & Environment processes. Companies need a systematic way of identifying the high priority risks and properly allocating capital towards minimizing their exposure – and then retaining that critical experience and knowledge. You need to see it, to measure it, to then improve it. Many continue to struggle with elements of their risk programs such as:

- Silos of risk information managed by individual sites or business units
- Ensuring closed-loop processes where all action items are assigned, addressed and closed
- Knowledge management and retention of lessons learned
- Visibility into risk profiles across the enterprise, down to specific categories and groups to prioritize highest impact areas

Are you effectively managing your operational risk processes?

The Sphera Risk Assessment Solution™ helps companies in the Chemical, Mining and Energy industries better manage risk programs across the enterprise. It connects your organizational knowledge, integrates your processes and empowers your people with the right tools to meet your risk reduction goals.

The solution, with its proven enterprise software, content and domain expertise, strengthens and improves risk assessment processes including: Process Hazard Analysis (PHA), Management of Change (MOC), Job Safety Analysis (JSA), Security & Vulnerability Analysis (SVA), Fault Tree Analysis (FTA), and Bowtie Analysis. It helps you to build a central risk knowledge base and gain better visibility across the organization to prioritize resources.

With the Sphera Risk Assessment Solution you can...

Gain Consistency and Visibility

- Improve the consistency of the application of severity, likelihood and risk levels.
- Clearly define roles and responsibilities and automate the administration of projects and tasks, ensuring that actions are not ignored, forgotten, or completed without the proper approvals.
- Increase visibility into risk assessments across facilities, projects, business units and the global enterprise to prioritize and mitigate top risks.
- Produce reports and dashboards to surface risk data previously concealed in lengthy documents helping reduce hazards, and minimize production downtime.

Create the Capacity for Knowledge Retention & Sharing

- Ensure that critical engineering and expert knowledge is captured and retained within your organization.
- Capture and store relevant drawings, designs, operating conditions and limits so that they are easily accessible and managed within the assessments.
- Create a comprehensive knowledge-base, which allows for classification, assessment, and management of hazards and controls in a consistent manner. This library of lessons learned is then easily and directly accessible to avoid repeat issues and improve performance.

Manage Compliance Obligations

- Enable better traceability for compliance to more effectively respond to audits. Support a true risk assessment revision chain.
- Streamline processes and reduce preparation time for re-validation of assessments.

Increase Efficiency

- Shorten time to conduct risk assessments and increase productivity. The active libraries and standard templates enable a reduction in the time required to perform a risk assessment.
- Consolidate and simplify the review of risk data that may currently be dispersed over numerous documents or spreadsheets across your organization. This enables more time spent on managing risks and producing higher quality assessments rather than managing complex and lengthy spreadsheets.

Leverage a Community of Best Practices

- Gain access to a community of industry-leading peers, as well as Sphera domain experts. This combination of expertise has enabled the creation of content and best practices that accelerate your time to value and help you attain your next round of continuous improvements.

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ABOUT Sphera Solutions

Sphera is the largest, global provider of software and information services in the operational risk, environmental performance and product stewardship markets. For more than 30 years, we have served over 2,500 customers and +1 Million users in 70 countries optimize workflows and navigate the complex and dynamic global regulatory structure.